

**REMARKS**

**I.      Status of the Claims**

Claims 1-15 and 18-62 are pending. Claims 16 and 17 were previously canceled without prejudice or disclaimer. Applicants reserve the right to file one or more continuing applications to any canceled subject matter. Claims 26-62 remain withdrawn.

Claim 1 is amended to make clear that the “lower level of PAK4 phosphorylation” that is measured in the biopsy samples is “on ser-474.” This amendment does not introduce any new subject matter. Moreover, it places the claims in condition for allowance. Thus, Applicants respectfully request entry of this amendment.

**II.     Rejections under 35 U.S.C. §112, ¶ 1**

Claims 1-15 and 18-25 are rejected under 35 U.S.C. § 112, first paragraph. Office action at page 3. According to the Examiner, the specification is “enabling for a method of detecting differences in PAK4 phosphorylation on ser-474 by comparing two levels of phosphorylation on PAK4 on ser-474” but it is not enabling for “detecting differences in every type of PAK4 phosphorylation.” Office action at page 8.

Applicants respectfully disagree. In the interest of expediting examination, however, applicants have amended claim 1 and believe the amendment obviates the rejection. Applicants expressly reserve the right to pursue any withdrawn subject matter in one or more continuing applications.

Applicants believe this amendment places the application in condition for allowance and will cancel the withdrawn claims once an allowance is made.

**III. Conclusion**

Applicants believe this case is in condition for allowance. The Examiner is invited to contact the undersigned by telephone if it is felt that a telephone interview would advance the prosecution of the present application.

Respectfully submitted,

Date November 7, 2006

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The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check or credit card payment form being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741. If any extensions of time are needed for timely acceptance of papers submitted herewith, Applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.